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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3	NOV 26	MARPAT enhanced with FSORT command
NEWS 4	NOV 26	CHEMSAFE now available on STN Easy
NEWS 5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS 6	DEC 01	ChemPort single article sales feature unavailable
NEWS 7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS 8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS 9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 14	FEB 10	COMPENDEX reloaded and enhanced
NEWS 15	FEB 11	WTEXTILES reloaded and enhanced
NEWS 16	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

```
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 NEWS IPC8      For general information regarding STN implementation of IPC 8

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* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:39:20 ON 08 MAR 2009

=> file reg
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
                                                        ENTRY     SESSION
FULL ESTIMATED COST                                       0.22        0.22

FILE 'REGISTRY' ENTERED AT 13:39:39 ON 08 MAR 2009
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STRUCTURE FILE UPDATES:    6 MAR 2009  HIGHEST RN 1116745-20-0
DICTIONARY FILE UPDATES:   6 MAR 2009  HIGHEST RN 1116745-20-0

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http://www.cas.org/support/stngen/stndoc/properties.html

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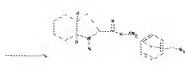

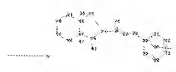

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ring nodes :
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33
chain bonds :
1-13  2-14  8-10  9-15  10-11  10-12  12-42  16-36  17-37  23-25  24-41  25-26  25-
27
27-34
ring bonds :
1-2  1-6  1-7  2-3  2-9  3-4  4-5  5-6  7-8  8-9  16-17  16-21  16-22  17-18  17-24
18-19  19-20  20-21  22-23  23-24  28-29  28-33  29-30  30-31  31-32  32-33
exact/norm bonds :
2-9  8-9  17-24  23-24  25-26  25-27
exact bonds :
1-2  1-6  1-7  1-13  2-3  2-14  3-4  4-5  5-6  7-8  8-10  9-15  12-42  16-17  16-21
16-22  16-36  17-18  17-37  18-19  19-20  20-21  22-23  23-25  24-41  27-34
normalized bonds :
10-11  10-12  28-29  28-33  29-30  30-31  31-32  32-33
isolated ring systems :
containing 1 : 16 :


G1:O,NO2,X

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:CLASS
11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:Atom  17:Atom  18:Atom  19:Atom
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44:CLASS  45:Atom
fragments assigned product role:
containing 16
fragments assigned reactant/reagent role:
containing 1



L1      STRUCTURE UPLOADED

=> d L1
L1 HAS NO ANSWERS
L1              STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.


=> file casreact
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.48       0.70

FILE 'CASREACT' ENTERED AT 13:40:07 ON 08 MAR 2009
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FILE CONTENT:1840 - 2 Mar 2009 VOL 150 ISS 10

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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************************************************************
*                                                          *
*     CASREACT now has more than 16.5 million reactions    *
*                                                          *
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CASREACT contains reactions from CAS and from: ZIC/VINITI database
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Biotransformations database compiled under the direction of
Professor Dr. Klaus Kieslich; organic reactions, portions copyright
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This file contains CAS Registry Numbers for easy and accurate substance
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=> s L1 SSS full
FULL SEARCH INITIATED 13:40:10 FILE 'CASREACT'
SCREENING COMPLETE -      633 REACTIONS TO VERIFY FROM       82 DOCUMENTS

100.0% DONE     633 VERIFIED       3 HIT RXNS                        3 DOCS
SEARCH TIME: 00.00.02

L2            3 SEA SSS FUL L1 (     3 REACTIONS)

=> d ibib abs fhit 1-
YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y


L2   ANSWER 1 OF 3  CASREACT  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:        148:55381  CASREACT  Full-text
TITLE:                   Process for the preparation of perindopril and
                         intermediates thereof
INVENTOR(S):             Haider, Akhtar; Megevand, Sophie; Nicollier, Brigitte;
                         Pannatier, Yvan
PATENT ASSIGNEE(S):      Sochinaz SA, Switz.
SOURCE:                  Eur. Pat. Appl., 19pp.
                         CODEN: EPXXDW
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.       KIND  DATE          APPLICATION NO.  DATE
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     EP 1864973        A1   20071212      EP 2006-11981    20060609
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL,
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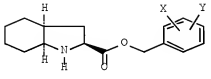
BA, HR, MK, YU
PRIORITY APPLN. INFO.: EP 2006-11981 20060609
OTHER SOURCE(S): MARPAT 148:55381
GI



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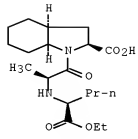
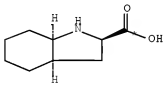


III

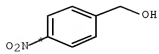
AB The invention provides a novel method for the synthesis of (2S,3aS,7aS)-octahydroindole-2-carboxylic acid (I) and its aryl esters II [wherein X, Y = H, halo, alkyl, alkoxyl or nitro group], and the conversion of the p-nitrobenzyl ester of the acid into perindopril or its salts. II were obtained via esterification of racemic octahydroindole-2-carboxylic acid hydrochloride with benzyl alcs. in the presence of aryl sulfonic acids such as p-TsOH, followed by resolution with such as dibenzoyl-(L)-tartaric acid. Alternatively, II could be synthesized directly by esterification of chiral I with benzyl alcs. For example, I was reacted with p-nitrobenzyl alc. in the presence of p-TsOH to afford p-tosylate salt of the corresponding ester in 79% yield, which underwent DCC/HOBt-mediated coupling reaction with N-[(S)-1-(ethoxycarbonyl)butyl]-(S)-alanine in dichloromethane (80% yield). Pd/C-catalyzed hydrogenolysis of the resultant p-nitrobenzyl ester led to perindopril.

RX(13) OF 21 COMPOSED OF RX(2), RX(3), RX(4)
RX(13) B + F + P + H ===> Q

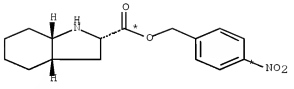


B

F



P



RX(2) RCT B 84324-13-0, F 100-51-6
RGT H 104-15-4 TsOH
PRO G 959984-63-5
SOL 108-88-3 PhMe
CON SUBSTAGE(2) 25 - 30 deg C

RX(3) RCT G 959984-63-5

STAGE(1)
RGT K 1310-73-2 NaOH
SOL 7732-18-5 Water
CON room temperature, pH 10.5

STAGE(2)
RGT L 2743-38-6 Butanedioic acid, 2,3-bis(benzoyloxy)-, (2R,3R)-
CON 1 hour, room temperature

STAGE(3)
RGT M 7647-01-0 HCl
SOL 67-56-1 MeOH
CON SUBSTAGE(2) 1 hour, 0 - 5 deg C

PRO J 86647-57-6
NTE stereoselective

RX(4) RCT J 86647-57-6, P 619-73-8, H 104-15-4
PRO Q 959984-64-6
SOL 108-88-3 PhMe
CON 3 hours, reflux

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

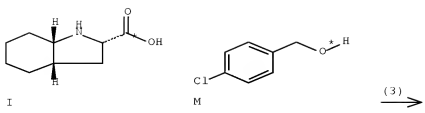
ACCESSION NUMBER: 143:367597 CASREACT Full-text
TITLE: Process for the preparation of perindopril
INVENTOR(S): Kankan, Rajendra Narayanrao; Rao, Dharmaraj Ramachandra
PATENT ASSIGNEE(S): Neopharma Limited, UK
SOURCE: Brit. UK Pat. Appl., 21 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

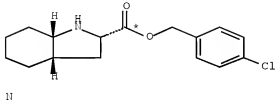
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2413128	A	20051019	GB 2004-8258	20040413
AU 2005232938	A1	20051027	AU 2005-232938	20050407
CA 2562843	A1	20051027	CA 2005-2562843	20050407
WO 2005100317	A1	20051027	WO 2005-GB1355	20050407
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1751107	A1	20070214	EP 2005-732439	20050407
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2007532616	T	20071115	JP 2007-507836	20050407
IN 2006DN06462	A	20070831	IN 2006-DN6462	20061101
KR 2007054142	A	20070528	KR 2006-723684	20061113
US 20070185335	A1	20070809	US 2007-599918	20070409

PRIORITY APPLN. INFO.: GB 2004-8258 20040413
WO 2005-GB1355 20050407

OTHER SOURCE(S): MARPAT 143:367597

AB A process for preparing perindopril or a pharmaceutically-acceptable salt comprises coupling a 4-halo-, 4-alkoxy- or 4-nitrobenzyl ester of (2S,3aS,7aS)-2-carboxyoctahydroindole with N-[(S)-1-carbethoxybutyl]-L-alanine (1) in the presence of DCC and HOBT, followed by catalytic hydrolgenolysis. The starting ester was obtained from (S)-indoline-2-carboxylic acid by hydrogenation-esterification and 1 was obtained from norvaline Et ester and pyruvic acid under catalytic hydrogenation conditions. The method was applied to the synthesis perindopril erbumine (20.5 g obtained from 24 g 4-chlorobenzyl ester and 21.26 g 1).





RX(3) RCT I 80875-98-5, M 873-76-7
RGT O 104-15-4 TsOH
PRO N 793716-54-8
SOL 108-88-3 PhMe
CON reflux
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 3 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 141:411226 CASREACT Full-text
TITLE: Process for preparation of perindopril and its salts
INVENTOR(S): Kankan, Rajendra Narayanrao; Rao, Dharmaraj Ramachandra
PATENT ASSIGNEE(S): Cipla Limited, India; Wain, Christopher Paul
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004099138	A2	20041118	WO 2004-GB2029	20040512
WO 2004099138	A3	20041223		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

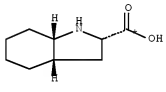
IN 2003MU00468 A 20050211 IN 2003-MU468 20030512

PRIORITY APPLN. INFO.: IN 2003-MU468 20030512

OTHER SOURCE(S): MARPAT 141:411226

AB A process for preparing perindopril or a pharmaceutically-acceptable salt comprises esterifying (2S,3aS,7aS)-octahydro-1H-indole-2-carboxylic acid (I) with benzyl alc. (or the 4-chloro or 4-alkoxy derivative) in the presence of benzenesulfonic acid as catalyst, treating the intermediate ester benzenesulfonate with N-[(S)-1-carbethoxybutyl]-L-alanine (II), and ester cleavage. Thus, I benzyl ester benzenesulfonate (40 g) was prepared, its suspension in CH_2Cl_2 made alkaline with aqueous ammonia, and the organic layer separated Treatment with II at 10-15 °C in the presence of hydroxybenzotriazole and N,N'-dicyclohexylcarbodiimide and workup afforded 43 g perindopril benzyl ester.

RX(6) OF 10 A + U + C ===> V



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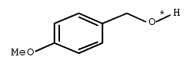

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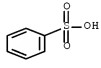

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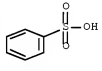

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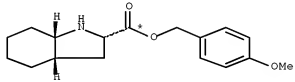

V: CM 2

RX(6) RCT A 80875-98-5, U 105-13-5, C 98-11-3
PRO V 793716-59-3
SOL 108-88-3 PhMe
CON 10 hours, reflux

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
STN INTERNATIONAL LOGOFF AT 13:41:06 ON 08 MAR 2009